



### Description:

High school renewable technology project

### Renewable Technologies:

11.4 kWp, 19.0 kWp, 28.5 kWp Solar PV  
11.0 kW Wind Turbine

### Study Outcomes:

The site is considered to be the most suitable for solar PV and wind turbine installation. Two flat roofs have been identified as potentially beneficial for a solar PV installation. The most suitable location for the wind turbine has been also agreed with the school. The project qualified for the CSEP grant.

Estimated annual savings\*:



**22,800 kWh of electricity supplied by the national grid**



**£2,745.12**



**9,804 kg CO<sub>2</sub> emissions**

SBEC is waiting for CSEP decision regarding their capital grant application and planning to install the 28.5 kWp solar PV system in 2011.

***If you are interested in renewable energy technologies, want to know whether your site is suitable and how much energy & CO<sub>2</sub> emissions you could save contact our office on 01953 798112.***

\* Based on specific technology quotations and the electricity price at 12.04p/kWh.